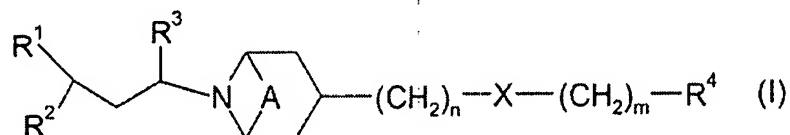


Amendments to the Claims:

Please replace the prior listing of claims with the following listing of claims which reflect the correct status identifiers.

Listing of Claims:

1. (Currently Amended) A compound of formula (I):



wherein:

A is absent or is (CH₂)₂;

R¹ is C₁₋₈ alkyl, C(O)NR¹⁰R¹¹, C(O)₂R¹², NR¹³C(O)R¹⁴, NR¹⁵C(O)NR¹⁶R¹⁷, NR¹⁸C(O)₂R¹⁹, heterocyclyl, aryl or heteroaryl;

R¹⁰, R¹³, R¹⁵, R¹⁶ and R¹⁸ are hydrogen or C₁₋₆ alkyl;

R¹¹, R¹², R¹⁴, R¹⁷ and R¹⁹ are C₁₋₈ alkyl (optionally substituted by halo, hydroxy, C₁₋₆ alkoxy, C₁₋₆ haloalkoxy, C₃₋₆ cycloalkyl (optionally substituted by halo), C₅₋₆ cycloalkenyl, S(C₁₋₄ alkyl), S(O)(C₁₋₄ alkyl), S(O)₂(C₁₋₄ alkyl), heteroaryl, aryl, heteroaryloxy or aryloxy), aryl, heteroaryl, C₃₋₇ cycloalkyl (optionally substituted by halo or C₁₋₄ alkyl), C₄₋₇ cycloalkyl fused to a phenyl ring, C₅₋₇ cycloalkenyl, or, heterocyclyl (itself optionally substituted by oxo, C(O)(C₁₋₆ alkyl), S(O)_k(C₁₋₆ alkyl), halo or C₁₋₄ alkyl); or R¹¹, R¹², R¹⁴ and R¹⁷ can also be hydrogen;

or R¹⁰ and R¹¹, and/or R¹⁶ and R¹⁷ may join to form a 4-, 5- or 6-membered ring which optionally includes a nitrogen, oxygen or sulphur atom, said ring being optionally substituted by C₁₋₆ alkyl, S(O)_k(C₁₋₆ alkyl) or C(O)(C₁₋₆ alkyl);

R² is C₁₋₆ alkyl, phenyl, heteroaryl or C₃₋₇ cycloalkyl;

R³ is H or C₁₋₄ alkyl;

R⁴ is aryl, heteroaryl, C₁₋₆ alkyl or C₃₋₇ cycloalkyl;

X is O or S(O)_p;

m and n are, independently, 0, 1, 2 or 3, provided m + n is 1 or more;

aryl, phenyl and heteroaryl moieties are independently optionally substituted by one or more of halo, cyano, nitro, hydroxy, OC(O)NR²⁰R²¹, NR²²R²³, NR²⁴C(O)R²⁵, NR²⁶C(O)NR²⁷R²⁸, S(O)₂NR²⁹R³⁰, NR³¹S(O)₂R³², C(O)NR³³R³⁴, CO₂R³⁶, NR³⁷CO₂R³⁸, S(O)_qR³⁹, OS(O)₂R⁴⁹, C₁₋₆ alkyl (optionally mono-substituted by S(O)₂R⁵⁰ or C(O)NR⁵¹R⁵²), C₂₋₆ alkenyl, C₂₋₆ alkynyl, C₃₋₁₀ cycloalkyl, C₁₋₆ haloalkyl, C₁₋₆ alkoxy(C₁₋₆)alkyl, C₁₋₆ alkoxy (optionally mono-substituted by CO₂R⁵³, C(O)NR⁵⁴R⁵⁵, cyano, heteroaryl or C(O)NHS(O)₂R⁵⁶), NHC(O)NHR⁵⁷, C₁₋₆ haloalkoxy, phenyl, phenyl(C₁₋₄)alkyl, phenoxy, phenylthio, phenylS(O), phenylS(O)₂, phenyl(C₁₋₄)alkoxy, heteroaryl, heteroaryl(C₁₋₄)alkyl, heteroaryloxy or heteroaryl(C₁₋₄)alkoxy; wherein any of the immediately foregoing phenyl and heteroaryl moieties are optionally substituted with halo, hydroxy, nitro, S(C₁₋₄ alkyl), S(O)(C₁₋₄ alkyl), S(O)₂(C₁₋₄ alkyl), S(O)₂NH₂, S(O)₂NH(C₁₋₄ alkyl), S(O)₂N(C₁₋₄ alkyl)₂, cyano, C₁₋₄ alkyl, C₁₋₄ alkoxy, C(O)NH₂, C(O)NH(C₁₋₄ alkyl), C(O)N(C₁₋₄ alkyl)₂, CO₂H, CO₂(C₁₋₄ alkyl), NHC(O)(C₁₋₄ alkyl), NHS(O)₂(C₁₋₄ alkyl), CF₃ or OCF₃;

unless otherwise stated heterocyclyl is optionally substituted by C₁₋₆ alkyl [optionally substituted by phenyl {which itself optionally substituted by halo, C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, nitro, CF₃, OCF₃, (C₁₋₄ alkyl)C(O)NH, S(O)₂NH₂, C₁₋₄ alkylthio, S(O)(C₁₋₄ alkyl) or S(O)₂(C₁₋₄ alkyl)} or heteroaryl {which itself optionally substituted by halo, C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, nitro, CF₃, (C₁₋₄ alkyl)C(O)NH, S(O)₂NH₂, C₁₋₄ alkylthio, S(O)(C₁₋₄ alkyl) or S(O)₂(C₁₋₄ alkyl)}], phenyl {optionally substituted by halo, C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, nitro, CF₃, OCF₃, (C₁₋₄ alkyl)C(O)NH, S(O)₂NH₂, C₁₋₄ alkylthio, S(O)(C₁₋₄ alkyl) or S(O)₂(C₁₋₄ alkyl)}, heteroaryl {optionally substituted by halo, C₁₋₄ alkyl, C₁₋₄ alkoxy, cyano, nitro, CF₃, (C₁₋₄ alkyl)C(O)NH, S(O)₂NH₂, C₁₋₄ alkylthio, S(O)(C₁₋₄ alkyl) or S(O)₂(C₁₋₄ alkyl)}, S(O)₂NR⁴⁰R⁴¹, C(O)R⁴², C(O)₂(C₁₋₆ alkyl) (such as ~~tert~~-butoxycarbonyl), C(O)₂(phenyl(C₁₋₂ alkyl)) (such as benzyloxycarbonyl), C(O)NHR⁴³, S(O)₂R⁴⁴, NHS(O)₂NHR⁴⁵, NHC(O)R⁴⁶, NHC(O)NHR⁴⁷ or NHS(O)₂R⁴⁸, provided none of these last four substituents is linked to a ring nitrogen;

k, l, p and q are, independently, 0, 1 or 2;

R^{20} , R^{22} , R^{24} , R^{26} , R^{27} , R^{29} , R^{31} , R^{33} , R^{37} , R^{40} , R^{51} and R^{54} are, independently, hydrogen or C_{1-6} alkyl;

R^{21} , R^{23} , R^{25} , R^{28} , R^{30} , R^{32} , R^{34} , R^{36} , R^{38} , R^{39} , R^{41} , R^{42} , R^{43} , R^{44} , R^{45} , R^{46} , R^{47} , R^{48} , R^{49} , R^{50} , R^{52} , R^{53} , R^{55} , R^{56} and R^{57} are, independently, C_{1-6} alkyl (optionally substituted by halo, hydroxy, C_{1-6} alkoxy, C_{1-6} haloalkoxy, C_{3-6} cycloalkyl, C_{5-6} cycloalkenyl, $S(C_{1-4}$ alkyl), $S(O)(C_{1-4}$ alkyl), $S(O)_2(C_{1-4}$ alkyl), heteroaryl, phenyl, heteroaryloxy or phenyloxy), C_{3-7} cycloalkyl, phenyl or heteroaryl; wherein any of the immediately foregoing phenyl and heteroaryl moieties are optionally substituted with halo, hydroxy, nitro, $S(C_{1-4}$ alkyl), $S(O)(C_{1-4}$ alkyl), $S(O)_2(C_{1-4}$ alkyl), $S(O)_2NH_2$, $S(O)_2NH(C_{1-4}$ alkyl), $S(O)_2N(C_{1-4}$ alkyl) $_2$, cyano, C_{1-4} alkyl, C_{1-4} alkoxy, $C(O)NH_2$, $C(O)NH(C_{1-4}$ alkyl), $C(O)N(C_{1-4}$ alkyl) $_2$, CO_2H , $CO_2(C_{1-4}$ alkyl), $NHC(O)(C_{1-4}$ alkyl), $NHS(O)_2(C_{1-4}$ alkyl), $C(O)(C_{1-4}$ alkyl), CF_3 or OCF_3 ; and

R^{21} , R^{23} , R^{25} , R^{28} , R^{30} , R^{34} , $[[R^{35}]]$, R^{36} , R^{41} , R^{42} , R^{43} , R^{45} , R^{46} , R^{47} , R^{52} , R^{53} , R^{55} and R^{57} may additionally be hydrogen;

or a pharmaceutically acceptable salt thereof or a solvate thereof.

2. (Original) A compound as claimed in claim 1 wherein R^1 is $NHC(O)R^{14}$, phenyl or heterocyclyl, wherein R^{14} is as defined in claim 1, and phenyl and heterocyclyl are optionally substituted as described in claim 1.

3. (Currently Amended) A compound as claimed in claim 1, $[[or\ 2]]$ wherein R^2 is phenyl or heteroaryl, either of which is optionally substituted by halo, C_{1-4} alkyl, C_{1-4} alkoxy, $S(O)_n(C_{1-4}$ alkyl), nitro, cyano or CF_3 ; wherein n is 0, 1 or 2.

4. (Currently Amended) A compound as claimed in claim 1, $[[2\ or\ 3]]$ wherein R^3 is hydrogen.

5. (Currently Amended) A compound as claimed in claim 1, ~~2, 3 or 4~~ wherein R⁴ is phenyl optionally substituted by one or more of halo, hydroxy, nitro, S(C₁₋₆ alkyl), S(O)(C₁₋₆ alkyl), S(O)₂(C₁₋₆ alkyl), S(O)₂NH₂, S(O)₂NH(C₁₋₆ alkyl), S(O)₂N(C₁₋₆ alkyl)₂, cyano, C₁₋₆ alkyl, C₁₋₆ alkoxy, CH₂S(O)₂(C₁₋₆ alkyl), OS(O)₂(C₁₋₆ alkyl), OCH₂heteroaryl, OCH₂CO₂H, OCH₂CO₂(C₁₋₆ alkyl), OCH₂C(O)NH₂, OCH₂C(O)NH(C₁₋₆ alkyl), OCH₂CN, NH₂, NH(C₁₋₆ alkyl), N(C₁₋₆ alkyl)₂, C(O)NH₂, C(O)NH(C₁₋₆ alkyl), C(O)N(C₁₋₆ alkyl)₂, CO₂H, CO₂(C₁₋₆ alkyl), NHC(O)(C₁₋₆ alkyl), NHC(O)O(C₁₋₆ alkyl), NHS(O)₂(C₁₋₆ alkyl), CF₃, CHF₂, CH₂F, CH₂CF₃, OCF₃, heteroaryl or heteroaryl(C₁₋₄ alkyl); wherein the foregoing heteroaryl groups are optionally substituted by halo, hydroxy, nitro, S(C₁₋₄ alkyl), S(O)(C₁₋₄ alkyl), S(O)₂(C₁₋₄ alkyl), S(O)₂NH₂, S(O)₂NH(C₁₋₄ alkyl), S(O)₂N(C₁₋₄ alkyl)₂, cyano, C₁₋₄ alkyl, C₁₋₄ alkoxy, C(O)NH₂, C(O)NH(C₁₋₄ alkyl), C(O)N(C₁₋₄ alkyl)₂, CO₂H, CO₂(C₁₋₄ alkyl), NHC(O)(C₁₋₄ alkyl), NHS(O)₂(C₁₋₄ alkyl), CF₃ or OCF₃.

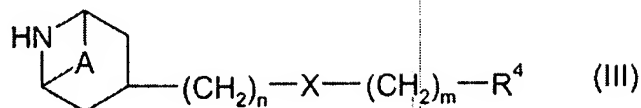
6. (Currently Amended) A compound as claimed in claim 1, ~~2, 3, 4 or 5~~ wherein A is absent.

7. (Currently Amended) A compound as claimed in ~~any one of the preceding claims~~ claim 1, wherein n is 2.

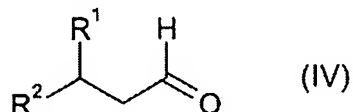
8. (Currently Amended) A compound as claimed in ~~any one of the preceding claims~~ claim 1, wherein m is 0.

9. (Currently Amended) A compound as claimed in ~~any one of the preceding claims~~ claim 1, wherein X is S(O)₂.

10. (Original) A process for preparing of a compound as claimed in claim 1 comprising:
a. to prepare a compound wherein R³ is hydrogen, coupling a compound of formula (III):

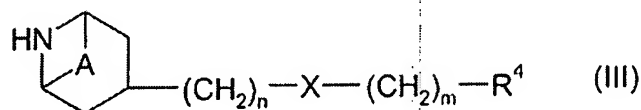


wherein R^4 , m , n , A and X are as defined in claim 1, with a compound of formula (IV):

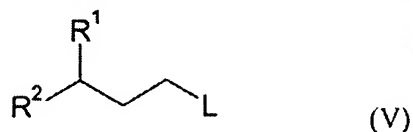


wherein R^1 and R^2 are as defined in claim 1, in the presence of $\text{NaBH}(\text{OAc})_3$ (wherein Ac is $\text{C}(\text{O})\text{CH}_3$) in a suitable solvent at room temperature;

b. to prepare a compound wherein R^3 is hydrogen, coupling a compound of formula (III):



wherein R^4 , m , n , A and X are as defined in claim 1, with a compound of formula (V):



wherein R^1 and R^2 are as defined in claim 1 and L is a leaving group, in the presence of a base, in a suitable solvent at a temperature from 60°C to the boiling point of the solvent.

11. (Original) A pharmaceutical composition which comprises a compound as claimed in claim 1, or a pharmaceutically acceptable salt thereof or solvate thereof, and a pharmaceutically acceptable adjuvant, diluent or carrier.

12. (Cancelled)

13. (Cancelled)

14. (Original) A method of treating a CCR5 mediated disease state comprising administering to a patient in need of such treatment an effective amount of a compound as claimed in claim 1, or a pharmaceutically acceptable salt thereof or solvate thereof.

15. (New) A compound as claimed in claim 2, wherein R^2 is phenyl or heteroaryl, either of which is optionally substituted by halo, C_{1-4} alkyl, C_{1-4} alkoxy, $S(O)_n(C_{1-4}$ alkyl), nitro, cyano or CF_3 ; wherein n is 0, 1 or 2.

16. (New) A compound as claimed in claim 2, wherein R^3 is hydrogen.

17. (New) A compound as claimed in claim 2, wherein R^4 is phenyl optionally substituted by one or more of halo, hydroxy, nitro, $S(C_{1-6}$ alkyl), $S(O)(C_{1-6}$ alkyl), $S(O)_2(C_{1-6}$ alkyl), $S(O)_2NH_2$, $S(O)_2NH(C_{1-6}$ alkyl), $S(O)_2N(C_{1-6}$ alkyl)₂, cyano, C_{1-6} alkyl, C_{1-6} alkoxy, $CH_2S(O)_2(C_{1-6}$ alkyl), $OS(O)_2(C_{1-6}$ alkyl), OCH_2 heteroaryl, OCH_2CO_2H , $OCH_2CO_2(C_{1-6}$ alkyl), $OCH_2C(O)NH_2$, $OCH_2C(O)NH(C_{1-6}$ alkyl), OCH_2CN , NH_2 , $NH(C_{1-6}$ alkyl), $N(C_{1-6}$ alkyl)₂, $C(O)NH_2$, $C(O)NH(C_{1-6}$ alkyl), $C(O)N(C_{1-6}$ alkyl)₂, CO_2H , $CO_2(C_{1-6}$ alkyl), $NHC(O)(C_{1-6}$ alkyl), $NHC(O)O(C_{1-6}$ alkyl), $NHS(O)_2(C_{1-6}$ alkyl), CF_3 , CHF_2 , CH_2F , CH_2CF_3 , OCF_3 , heteroaryl or heteroaryl(C_{1-4} alkyl); wherein the foregoing heteroaryl groups are optionally substituted by halo, hydroxy, nitro, $S(C_{1-4}$ alkyl), $S(O)(C_{1-4}$ alkyl), $S(O)_2(C_{1-4}$ alkyl), $S(O)_2NH_2$, $S(O)_2NH(C_{1-4}$ alkyl), $S(O)_2N(C_{1-4}$ alkyl)₂, cyano, C_{1-4} alkyl, C_{1-4} alkoxy, $C(O)NH_2$, $C(O)NH(C_{1-4}$ alkyl), $C(O)N(C_{1-4}$ alkyl)₂, CO_2H , $CO_2(C_{1-4}$ alkyl), $NHC(O)(C_{1-4}$ alkyl), $NHS(O)_2(C_{1-4}$ alkyl), CF_3 or OCF_3 .

18. (New) A compound as claimed in claim 2, wherein A is absent.

19. (New) A compound as claimed in claim 2, wherein n is 2.

20. (New) A compound as claimed in claim 2, wherein m is 0.